

To: Matt Francis[m.francis@erllc.com]; Way, Steven[way.steven@epa.gov]; Griswold, Hays[Griswold.Hays@epa.gov]
From: Brobst, Bob
Sent: Tue 8/11/2015 8:50:53 PM
Subject: RE: Water Treatment at Gold King

Some thoughts

Without seeing What is proposed

Iron may be an issue and may make removal of the metal more difficult. Could be solve by reducing or removing the iron first.

The flow does range quite a bit. Flow equalization of the influent would help minimize that impact.

It would be nice at the end of treatment that the effluent flows through a lime (stone 2-4 inches in dia) bed – perhaps in the stream channel before it enters Cement creek. This will cause more stable water to be discharged to cement ck..

I'll be leaving soon but will have my computer with me.

Here is my cell Personal Phone/Ex. 6 talk or text.

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“It is a capital mistake to theorize before one has data. Insensible one begins to twist facts to suit theories, instead of theories to suit facts.” Arthur Conan Doyle’s A Scandal in Bohemia (1891)

“ The Good thing about science is that it’s true whether or not you believe in it.” Neil deGrasse Tyson

From: Matt Francis [mailto:m.francis@erllc.com]
Sent: Tuesday, August 11, 2015 10:10 AM
To: Brobst, Bob; Way, Steven; Griswold, Hays
Subject: Water Treatment at Gold King

These are the guys talking to us so far

<http://www.> **CBI/Ex. 4**

<http://www.> **CBI/Ex. 4**

Matt Francis

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